



Express Mail No.: EV654847572US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Liew et al.	Confirmation No.	9544
Application No.:	10/568,264	Art Unit:	1631
Filed:	February 13, 2006	Examiner	LIN, Jerry
For:	COMPUTER SYSTEMS AND METHODS FOR CONSTRUCTING BIOLOGICAL CLASSIFIERS AND USES THEREOF	Attorney Docket No.	11543-006

**COMPACT DISC TRANSMITTAL SHEET FOR SUBMISSION OF TABLES TO
UNITED STATES PATENT AND TRADE MARK OFFICE
UNDER 37 C.F.R. § 1.52(e)**

Mail Stop: Issue Fee
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

SIR :

In connection with the above-identified application, and pursuant to 37 C.F.R. § 1.52(e), Applicants submit herewith two copies of tables related to sequence listing on CD-ROM labeled "Copy 1 Replacement 03/03/2011" and "Copy 2 Replacement 03/03/2011". Tables 4C and 4D were amended in the Amendment Under 37 C.F.R. § 1.111 filed on October 5, 2006 ("Amendment") to replace truncated gene designations with the complete gene designations. Accordingly, pursuant to 37 C.F.R. § 1.52(e)(4), the CD-ROMs labeled "Copy 1 Replacement 03/03/2011" and "Copy 2 Replacement 03/03/2011" submitted herewith differ from the CD-ROMs labeled "Copy 1" and "Copy 2" in that Tables 4C and 4D have been replaced by amended Tables 4C and 4D. The CD-ROMs labeled "Copy 1 Replacement 03/03/2011" and "Copy 2 Replacement 03/03/2011" are identical and contain do not contain new matter.

Pursuant to 37 C.F.R. § 1.52(e)(3)(ii), "Copy 1 Replacement 03/03/2011" and "Copy 2 Replacement 03/03/2011" of the tables related to sequence listing are described as follows:

Copy 1 : Machine Format: IBM-PC
 Operating System: MS-Windows XP
 File Format: ASCII
 Creation Date: Tables were created on June 17, 2005, Tables 4C and 4D were
 amended on March 3, 2011 and the CD-ROMs were recorded on
 March 3, 2011

Copy 2 : Machine Format: IBM-PC
 Operating System: MS-Windows XP
 File Format: ASCII
 Creation Date: Tables were created on June 17, 2005, Tables 4C and 4D were
 amended on March 3, 2011 and the CD-ROMs were recorded on
 March 3, 2011

Below is a list indicating the name, file size and date of recordation of each table.

I hereby certify that the two copies of the tables on CD-ROM in computer-readable
 format, submitted in accordance with 37 C.F.R. § 1.52(e), are identical.

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
1A	Sequence Related Table regarding Comorbid Hypertension	96KB	March 3, 2011	TABLE1A.TXT
1B	Sequence Related Table regarding Comorbid Obesity	102KB	March 3, 2011	TABLE1B.TXT
1C	Sequence Related Table regarding Comorbid Allergies	49KB	March 3, 2011	TABLE1C.TXT
1D	Sequence Related Table regarding Comorbid Systemic Steroids	59KB	March 3, 2011	TABLE1D.TXT
1E	Sequence Related Table regarding Hypertension (Chondro)	204KB	March 3, 2011	TABLE1E.TXT
1F	Sequence Related Table regarding Obesity (Chondro)	251KB	March 3, 2011	TABLE1F.TXT
1G	Sequence Related Table regarding CoMorbid Hypertension Only	57KB	March 3, 2011	TABLE1G.TXT
1H	Sequence Related Table regarding Hypertension OA Shared	23KB	March 3, 2011	TABLE1H.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
1I	Sequence Related Table regarding Comorbid Obesity Only	60KB	March 3, 2011	TABLE1I.TXT
1J	Sequence Related Table regarding Obesity OA Shared	18KB	March 3, 2011	TABLE1J.TXT
1K	Sequence Related Table regarding Comorbid Allergy Only	28KB	March 3, 2011	TABLE1K.TXT
1L	Sequence Related Table regarding Allergy OA Shared	19KB	March 3, 2011	TABLE1L.TXT
1M	Sequence Related Table regarding Comorbid Steroid Shared	40KB	March 3, 2011	TABLE1M.TXT
1N	Sequence Related Table regarding Steroid OA Shared	23KB	March 3, 2011	TABLE1N.TXT
1O	Sequence Related Table regarding Differentiating Systemic Steroids	49KB	March 3, 2011	TABLE1O.TXT
1P	Sequence Related Table regarding Diabetes	118KB	March 3, 2011	TABLE1P.TXT
1Q	Sequence Related Table regarding Hyperlipidemia	165KB	March 3, 2011	TABLE1Q.TXT
1R	Sequence Related Table regarding Lung Disease	102KB	March 3, 2011	TABLE1R.TXT
1S	Sequence Related Table regarding Bladder Cancer	830KB	March 3, 2011	TABLE1S.TXT
1T	Sequence Related Table regarding Bladder Cancer Staging	483KB	March 3, 2011	TABLE1T.TXT
1U	Sequence Related Table regarding Coronary Artery Disease	657KB	March 3, 2011	TABLE1U.TXT
1V	Sequence Related Table regarding Rheumatoid Arthritis	380KB	March 3, 2011	TABLE1V.TXT
1W	Sequence Related Table regarding Rheumatoid Arthritis	183KB	March 3, 2011	TABLE1W.TXT
1X	Sequence Related Table regarding Depression	165KB	March 3, 2011	TABLE1X.TXT
1Y	Sequence Related Table regarding OAStaging	32KB	March 3, 2011	TABLE1Y.TXT
1Z	Sequence Related Table regarding Liver Cancer	19KB	March 3, 2011	TABLE1Z.TXT
1Zb	Sequence Related Table regarding Liver Cancer	430KB	March 3, 2011	TABLE1Z(b).TXT
1AA	Sequence Related Table regarding Schizophrenia	592KB	March 3, 2011	TABLE1AA.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
1AB	Sequence Related Table regarding Chagas Disease	142KB	March 3, 2011	TABLE1AB.TXT
1AC	Sequence Related Table regarding Asthma (Chondro)	64KB	March 3, 2011	TABLE1AC.TXT
1AD	Sequence Related Table regarding Asthma (Affy)	57KB	March 3, 2011	TABLE1AD.TXT
1AE	Sequence Related Table regarding Lung Cancer	118KB	March 3, 2011	TABLE 1AE.TXT
1AG	Sequence Related Table regarding Hypertension (Affymetrix)	157KB	March 3, 2011	TABLE1AG.TXT
1AH	Sequence Related Table regarding Obesity (Affymetrix)	203KB	March 3, 2011	TABLE1AH.TXT
1AI	Sequence Related Table regarding Ankylosing Spondylitis (Affy)	267KB	March 3, 2011	TABLE1AI.TXT
2	Sequence Related Table regarding OA Only Subtraction	19KB	March 3, 2011	TABLE2.TXT
3A	Sequence Related Table regarding Schizophrenia v. MDS	228KB	March 3, 2011	TABLE3A.TXT
3B	Sequence Related Table regarding Hepatitis v. Liver Cancer	347KB	March 3, 2011	TABLE3B.TXT
3C	Sequence Related Table regarding Bladder Cancer v. Kidney Cancer	470KB	March 3, 2011	TABLE3C.TXT
3D	Sequence Related Table regarding Bladder Cancer v. Testicular Cancer	556KB	March 3, 2011	TABLE3D.TXT
3E	Sequence Related Table regarding Testicular Cancer v. Kidney Cancer	588KB	March 3, 2011	TABLE3E.TXT
3F	Sequence Related Table regarding Liver Cancer v. Stomach Cancer	84KB	March 3, 2011	TABLE3F.TXT
3G	Sequence Related Table regarding Liver Cancer v. Colon Cancer	149KB	March 3, 2011	TABLE3G.TXT
3H	Sequence Related Table regarding Stomach Cancer v. Colon Cancer	166KB	March 3, 2011	TABLE3H.TXT
3I	Sequence Related Table regarding OA v. RA	214KB	March 3, 2011	TABLE3I.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
3K	Sequence Related Table regarding Chagas Disease v.Heart Failure	16KB	March 3, 2011	TABLE3K.TXT
3L	Sequence Related Table regarding Chagas Disease v. CAD	19KB	March 3, 2011	TABLE3L.TXT
3N	Sequence Related Table regarding CAD v. Heart Failure	13KB	March 3, 2011	TABLE3N.TXT
3P	Sequence Related Table regarding Asymptomatic Chagas v. Symptomatic Chagas	68KB	March 3, 2011	TABLE3P.TXT
3Q	Sequence Related Table regarding Alzheimers' v. Schizophrenia	56KB	March 3, 2011	TABLE3Q.TXT
3R	Sequence Related Table regarding Alzheimers' v. Manic Depression	51KB	March 3, 2011	TABLE3R.TXT
4A	Sequence Related Table regarding OA v. Control (ChondroChip)	538KB	March 3, 2011	TABLE4A.TXT
4B	Sequence Related Table regarding OA v. Control (Affy)	550KB	March 3, 2011	TABLE4B.TXT
4C	Sequence Related Table regarding OA mild v. Control (ChondroChip)	321KB	March 3, 2011	TABLE4C.TXT
4D	Sequence Related Table regarding OA mild v. Control (Affy)	587KB	March 3, 2011	TABLE 4D.TXT
4E	Sequence Related Table regarding OA moderate v. Control (ChondroChip)	198KB	March 3, 2011	TABLE4E.TXT
4F	Sequence Related Table regarding OA moderate v. Control (Affy)	576KB	March 3, 2011	TABLE4F.TXT
4G	Sequence Related Table regarding OA marked v. Control (ChondroChip)	203KB	March 3, 2011	TABLE4G.TXT
4H	Sequence Related Table regarding OA marked v. Control (Affy)	679KB	March 3, 2011	TABLE4H.TXT
4I	Sequence Related Table regarding OA severe v. Control (ChondroChip)	291KB	March 3, 2011	TABLE4I.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
4J	Sequence Related Table regarding OA severe v. Control (Affy)	607KB	March 3, 2011	TABLE4J.TXT
4K	Sequence Related Table regarding OA mild v. moderate (ChondroChip)	113KB	March 3, 2011	TABLE4K.TXT
4L	Sequence Related Table regarding OA mild v. moderate (Affy)	488KB	March 3, 2011	TABLE4L.TXT
4M	Sequence Related Table regarding OA mild v. marked (ChondroChip)	93KB	March 3, 2011	TABLE4M.TXT
4N	Sequence Related Table regarding OA mild v. marked (Affy)	373KB	March 3, 2011	TABLE4N.TXT
4O	Sequence Related Table regarding OA mild v. severe (ChondroChip)	177KB	March 3, 2011	TABLE4O.TXT
4P	Sequence Related Table regarding OA mild v. severe (Affy)	687KB	March 3, 2011	TABLE4P.TXT
4Q	Sequence Related Table regarding OA moderate v. marked (ChondroChip)	103KB	March 3, 2011	TABLE4Q.TXT
4R	Sequence Related Table regarding OA moderate v. marked (Affy)	450KB	March 3, 2011	TABLE4R.TXT
4S	Sequence Related Table regarding OA moderate v. severe (ChondroChip)	79KB	March 3, 2011	TABLE4S.TXT
4T	Sequence Related Table regarding OA moderate v. severe (Affy)	627KB	March 3, 2011	TABLE4T.TXT
4U	Sequence Related Table regarding OA marked v. severe (ChondroChip)	66KB	March 3, 2011	TABLE4U.TXT
4V	Sequence Related Table regarding OA marked v. severe (Affy)	758KB	March 3, 2011	TABLE4V.TXT
5A	Sequence Related Table regarding Psoriasis v. Control	80KB	March 3, 2011	TABLE5A.TXT
5B	Sequence Related Table regarding Thyroid Disorder v. Control	373KB	March 3, 2011	TABLE5B.TXT
5C	Sequence Related Table regarding Irritable Bowel Syndrome v. Control	87KB	March 3, 2011	TABLE5C.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
5D	Sequence Related Table regarding Osteoporosis v. Control	79KB	March 3, 2011	TABLE5D.TXT
5E	Sequence Related Table regarding Migraine Headaches v. Control	231KB	March 3, 2011	TABLE5E.TXT
5F	Sequence Related Table regarding Eczema v. Control	56KB	March 3, 2011	TABLE5F.TXT
5G	Sequence Related Table regarding NASH v. Control	349KB	March 3, 2011	TABLE5G.TXT
5H	Sequence Related Table regarding Alzheimers' v. Control	268KB	March 3, 2011	TABLE5H.TXT
5I	Sequence Related Table regarding Manic Depression v. Control	298KB	March 3, 2011	TABLE5I.TXT
5J	Sequence Related Table regarding Crohns' Colitis v. Control	45KB	March 3, 2011	TABLE5J.TXT
5K	Sequence Related Table regarding Chronic Cholecystitis v. Control	53KB	March 3, 2011	TABLE5K.TXT
5L	Sequence Related Table regarding Heart Failure v. Control	160KB	March 3, 2011	TABLE5L.TXT
5M	Sequence Related Table regarding Cervical Cancer v. Control	304KB	March 3, 2011	TABLE5M.TXT
5N	Sequence Related Table regarding Stomach Cancer v. Control	185KB	March 3, 2011	TABLE5N.TXT
5O	Sequence Related Table regarding Kidney Cancer v. Control	404KB	March 3, 2011	TABLE5O.TXT
5P	Sequence Related Table regarding Testicular Cancer v. Control	486KB	March 3, 2011	TABLE5P.TXT
5Q	Sequence Related Table regarding Colon Cancer v. Control	380KB	March 3, 2011	TABLE5Q.TXT
5R	Sequence Related Table regarding Hepatitis B v. Control	140KB	March 3, 2011	TABLE5R.TXT
5S	Sequence Related Table regarding Pancreatic Cancer v. Control	177KB	March 3, 2011	TABLE5S.TXT

<u>Table</u>	<u>DESCRIPTION</u>	<u>SIZE</u>	<u>Date Recorded</u>	<u>Text File Name</u>
5T	Sequence Related Table regarding Asymptomatic Chagas v. Control	63KB	March 3, 2011	TABLE5T.TXT
5U	Sequence Related Table regarding Symptomatic Chagas v. Control	77KB	March 3, 2011	TABLE5U.TXT
5V	Sequence Related Table regarding Bladder Cancer v. Control	383KB	March 3, 2011	TABLE5V.TXT
6A	Sequence Related Table regarding Cancer (all types) v. Control	163KB	March 3, 2011	TABLE6A.TXT
6B	Sequence Related Table regarding Cardiovascular Disease v. Control	73KB	March 3, 2011	TABLE6B.TXT
6C	Sequence Related Table regarding Neurological Diseases v. Control	337KB	March 3, 2011	TABLE6C.TXT
7A	Sequence Related Table regarding Celebrex® v. all Cox inhibitors except Celebrex	55KB	March 3, 2011	TABLE7A.TXT
7B	Sequence Related Table regarding Celebrex® v. Control	57KB	March 3, 2011	TABLE7B.TXT
7C	Sequence Related Table regarding Vioxx® v. Control	53KB	March 3, 2011	TABLE7C.TXT
7D	Sequence Related Table regarding Vioxx® v. All Cox Inhibitors except Vioxx®	49KB	March 3, 2011	TABLE7D.TXT
7E	Sequence Related Table regarding NSAIDS v. Control	72KB	March 3, 2011	TABLE7E.TXT
7F	Sequence Related Table regarding Cortisone v. Control	208KB	March 3, 2011	TABLE7F.TXT
7G	Sequence Related Table regarding Visco Supplement v. Control	316KB	March 3, 2011	TABLE7G.TXT
7H	Sequence Related Table regarding Lipitor® v. Control	131KB	March 3, 2011	TABLE7H.TXT
7I	Sequence Related Table regarding Smoker v. Non-Smoker	23KB	March 3, 2011	TABLE7I.TXT

Applicants respectfully request that this transmittal and the two CD-ROMs be entered as part of the application and considered.

No additional fee is believed to be due in connection with the submission of this transmittal and the two CD-ROMs. However, if the examiner determined otherwise, please charge such fees to Jones Day Deposit Account No. 50-3013

Respectfully submitted,

Date: March 25, 2011

Laura A. Coruzzi
Laura A. Coruzzi (Reg. No. 30,742)

JONES DAY
222 East 41st Street
New York, NY 10017
PH: (212) 326-3939
Fax: (212) 755-7306

Enclosure

By: Jennifer J. Chedda
Reg No. 46,617